Index of Claims

| Application No. | Applicant(s) |
|-----------------|----------------|
| 09/821,584 | RIORDAN ET AL. |
| Examiner | Art Unit |
| Michael Pyzocha | 2137 |

| | √ | Rejected |
|---|----------|----------|
| ٠ | = | Allowed |

| _ | (Through numeral) Cancelled |
|---|--------------------------------|
| ÷ | Restricted |

| N | Non-Elected | Α |
|---|--------------|---|
| ı | Interference | 0 |

| A | Appeal |
|---|----------|
| 0 | Objected |

| | | | _ | | | | | | | |
|----------|----------------------------|---------------|----------|--------------|--------------|----------|--------------|--|--------------|----------------|
| Cla | aim | _ | | | ſ | Date | | | | \neg |
| Final | | 9/30/04 | 4/25/05 | 90/9/6 | | | | | | |
| | | | _ | _ | | Ш | | | | _ |
| | 1 | ٧, | <u>۲</u> | ᆣ | <u> </u> | Ш | | | | |
| | 2 | V ./ | Y | <u>-</u> | | Н | | _ | _ | _ |
| | 3 | \ \ \ J | 1 | <u> </u> | \vdash | | | _ | _ | - |
| | 1 2 3 4 5 6 | 7 7 7 7 | 7777 | - | \vdash | | | | | \dashv |
| | 6 | J | V | - | - | | _ | _ | \vdash | \dashv |
| | | | i i | - | | \vdash | | | | Н |
| | 7 8 | 1 | - | - | | | | | | \vdash |
| - | 9 | 1 | 1 | - | | | | | | |
| | | 1 | V | - | | \vdash | | | | |
| | 10 11 12 | 1 | 1 | - | | | | _ | | |
| | 12 | 1 | 1 | - | | | | | | |
| | 13 14 15 16 17 | 7 7 7 | 7 | - | | | | | | |
| | 14 | | | - | | | | | | |
| | 15 | 1 1 1 | 1 | - | | | | | | |
| | 16 | 1 | 1 | <u> </u> | | <u> </u> | | | | Ш |
| | 17 | 1 | 1 | Ŀ | | | | | | Щ |
| | 18 19 | 1 | 1 | <u> -</u> | | <u> </u> | | | | Щ |
| | 19 | | | <u> -</u> | | _ | | | _ | Щ |
| | 20 | 1 | - | - | | | | | | Ш |
| | 21 | V, | - 7 | - | | | | | | Щ |
| | 22 | 1 | | - | _ | L | _ | | | Н |
| | 21 22 23 24 25 | 1 | 1 | ┝ | - | - | _ | | | Н |
| - | 24 | 1 | 1 | ŀ | - | | <u> </u> | - | | H |
| | 26 | V | | - | \vdash | | \vdash | \vdash | | |
| | 27 | 1 | 1 | + | \vdash | | _ | ┝ | - | Н |
| | 26 27 28 | 1 | Ť | - | - | | - | \vdash | \vdash | Н |
| | 29 | i | V | - | \vdash | _ | _ | ┢ | \vdash | Н |
| | 29 30 | Ė | Ė | 1 | | | | | - | Н |
| | 31 | — | | V | T | <u> </u> | | _ | | Н |
| | 32 | $\overline{}$ | | | | | | | | П |
| | 33 | Γ | | 1 | | | | | | П |
| | 32 33 34 35 36 | | | | | | | | | |
| | 35 | | | 1 | | | | | | |
| | 36 | \Box | \Box | | L | L | | | | |
| | 37 | | | 1 | | | | | | |
| | 38 | L | <u> </u> | 1 | _ | <u> </u> | L | <u> </u> | <u> </u> | Щ |
| | 39 | <u> </u> | L_ | <u> </u> | _ | L | <u> </u> | <u> </u> | <u> </u> | Щ |
| | 40 | Ь. | <u> </u> | \vdash | - | L_ | <u> </u> | _ | <u> </u> | Ш |
| | 41 | <u> </u> | ┞- | <u> </u> | \vdash | <u> </u> | \vdash | <u> </u> | _ | Н |
| | 42 | ├ | | ├- | \vdash | <u> </u> | ├ | | <u> </u> | Н |
| ļ | 43 | ⊢ | | | ⊢ | - | ├ | - | ├- | \vdash |
| <u> </u> | 44 | - | \vdash | \vdash | | | - | | | \vdash |
| | 45 | \vdash | \vdash | ├ | ⊢ | \vdash | \vdash | ├- | \vdash | $\vdash\vdash$ |
| | 46 | ┼ | ┢ | - | | \vdash | \vdash | H | - | Н |
| \vdash | 48 | \vdash | \vdash | +- | ╁ | \vdash | \vdash | \vdash | - | \vdash |
| \vdash | 49 | ┢ | \vdash | \vdash | \vdash | ┢ | | \vdash | - | Н |
| <u> </u> | 50 | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | +- | \vdash | Н |

| Cla | aim_ | Date | | | | | | | | | | | | | |
|----------|----------------------------|--|----------|--|------------|--|--|--------------|----------|----------|--|--|--|--|--|
| | _ | | | | | | | | | | | | | | |
| Final | Original | | | | | | | | | | | | | | |
| | | _ | | | | | | | | | | | | | |
| - | 51 52 53 | _ | | | - | | | | _ | _ | | | | | |
| \vdash | 53 | | | | | | \neg | | | | | | | | |
| | 54 | | | | | | | | | | | | | | |
| | 54 55 | | | | | | | | | | | | | | |
| | 56 | | | | | | | | | | | | | | |
| | 57 | | | | | | | | | <u> </u> | | | | | |
| | 58 59 | | _ | - | | | | | | | | | | | |
| - | 60 | | | \vdash | | | | | - | | | | | | |
| | 60 61 | | | \vdash | | _ | | | - | | | | | | |
| | 62 | | _ | | | | | | | | | | | | |
| | 62 63 64 65 66 | | | | | | | | | | | | | | |
| | 64 | | | | | | | | | | | | | | |
| <u> </u> | 65 | | _ | | | | | | | | | | | | |
| <u> </u> | 66 | _ | _ | | | | | | | | | | | | |
| | 67 68 | - | _ | - | | | | — | \vdash | | | | | | |
| - | 68 69 | - | - | - | | | | | - | | | | | | |
| | 70 | | _ | - | - | | | | | | | | | | |
| | 71 | | | | | | | | | | | | | | |
| | 72 | | | | | | | | | | | | | | |
| | 71 72 73 74 75 | | | | | | _ | | L | <u> </u> | | | | | |
| ļ | 74 | | | | | | | _ | <u> </u> | - | | | | | |
| - | 76 | | | | | | | | ┝ | ┝ | | | | | |
| | 76 77 | | _ | | | | | | | | | | | | |
| | 78 | | | | | | | | | | | | | | |
| | 79 | | | | | | | | | | | | | | |
| L | 80 | | _ | <u> </u> | lacksquare | | L_ | | <u> </u> | _ | | | | | |
| | 81 | | _ | | | _ | | | ├- | L | | | | | |
| | 82 83 | _ | \vdash | \vdash | - | - | - | \vdash | \vdash | ├ | | | | | |
| | 84 | \vdash | \vdash | \vdash | | \vdash | | \vdash | \vdash | H | | | | | |
| | 84 85 | | | | | | | | | | | | | | |
| | 86 | | | | | | | | | | | | | | |
| | 87 88 | L | _ | | ļ | <u> </u> | L | L | <u> </u> | | | | | | |
| | 88 | _ | L | | <u> </u> | <u> </u> | \vdash | <u> </u> | - | _ | | | | | |
| <u> </u> | 89 90 | | - | \vdash | ⊢ | \vdash | \vdash | - | ├ | | | | | | |
| - | 91 | \vdash | \vdash | - | - | | \vdash | \vdash | - | \vdash | | | | | |
| | 92 | \vdash | \vdash | Т | <u> </u> | | \vdash | \vdash | - | Т | | | | | |
| | 93 | | | | | | | | | | | | | | |
| | 94 | | | | | | | | | | | | | | |
| | 95 | | | ļ., | ļ | <u> </u> | | L | _ | _ | | | | | |
| <u> </u> | 96 | - | <u> </u> | - | \vdash | \vdash | | <u> </u> | \vdash | \vdash | | | | | |
| | 97 98 | - | \vdash | - | - | - | | | - | \vdash | | | | | |
| - | 99 | - | \vdash | | - | - | ┢ | \vdash | \vdash | \vdash | | | | | |
| | 100 | | \vdash | | ╁ | \vdash | \vdash | \vdash | \vdash | +- | | | | | |

| la | im | | | | 1 | Date | | _ | | \neg | Г | Cla | im | | | - | - | ate | ; | | _ | \neg | Cla | aim | | | | Dat | <u>—</u> | | | \neg |
|----------|----------|----------|-----------|---------------|-------------------------------------|--|--|----------------|----------------|-----------------|--------------|-------|----------|---------------------|----------|----------|----------------|----------|----------|----------|----------|----------|----------|------------|-----------------|--------------------|----------|--------------|--|---|----------|-----------|
| Ĭ | | | | | i | | ĺП | | | \dashv | | | | П | \neg | T | T | Ī | Т | Т | П | \dashv | | | \neg | \top | Τ | T | | П | П | \exists |
| | Original | 9/30/04 | 4/25/05 | 90/9/6 | | | | | | | | Final | Original | | | | | | | | | | Final | Original | | | | | | | | |
| | į | 9/3(| 4/2: | 9/6 | | | | | | | | Ē | Öriç | | | | | | | | | | iĒ | اڄ | | | | | | | - 1 | |
| _ | | | | _ | | | Ш | Ш | | \perp | L | | | \sqcup | _ | _ | | | | _ | \dashv | _ | | | _ | \bot | \perp | 1 | | Ш | _ | _ |
| _ | 1 | 7 | 7 | Ŀ | L | L_ | | | | Щ | L | | 51 | \sqcup | 4 | 4 | _ | | _ | \dashv | 4 | \dashv | | 101 | _ | + | + | 1 | <u> </u> | \sqcup | \dashv | \dashv |
| 4 | 2 | 1 | 7 | - | | | <u> </u> | | | _ | F | _ | 52 | \dashv | 4 | \dashv | | | - | \dashv | | | | 102 | - | | | | - | Н | \dashv | |
| 4 | 3_ | 1 | 1 | - | L | <u> </u> | \vdash | Ш | \vdash | \dashv | \vdash | | 53 | \dashv | 4 | + | 4 | | - | \dashv | \dashv | \dashv | - | 103 | \dashv | - - | + | + | ├ | $\vdash \vdash$ | \dashv | \dashv |
| \dashv | 4 | 1 | ٧ | - | | _ | | | | \dashv | - | | 54 | \dashv | - | \dashv | \dashv | - | | | - | ᅱ | | 104 105 | \dashv | + | +- | ╀ | ⊢ | \vdash | \dashv | ᅴ |
| \dashv | 5 | 1 | 7 | - | | - | - | Н | \vdash | \dashv | ├ | | 55 56 | \vdash | \dashv | \dashv | | \dashv | \dashv | + | -+ | | - | 105 | - | +- | ╁ | +- | - | $\vdash\vdash$ | \dashv | \dashv |
| - | 7 | 7 | - | - | \vdash | \vdash | | Н | - | \dashv | ⊢ | _ | 57 | \vdash | \dashv | \dashv | \dashv | | \dashv | \dashv | \dashv | \dashv | - | 107 | + | | ╁ | ╁ | | H | \dashv | \dashv |
| - | 8 | 7 | - | - | \vdash | \vdash | H | | - | \dashv | - | | 58 | \vdash | \dashv | \dashv | \dashv | \dashv | - | + | \dashv | _ | | 108 | \dashv | +- | ╁ | + | + | H | \dashv | |
| - | 9 | 1 | √ | - | - | \vdash | \vdash | Н | \vdash | \dashv | \vdash | | 59 | $\vdash \vdash$ | + | - | | | - † | \dashv | \dashv | \dashv | | 109 | \dashv | ÷ | + | + | t | H | \dashv | |
| - | 10 | Ť | Ì | - | \vdash | \vdash | \vdash | | \vdash | Н | | | 60 | \vdash | \dashv | \dashv | 一 | \dashv | | \neg | 7 | \dashv | | 110 | \neg | + | ╅ | + | T | Н | 寸 | \dashv |
| ┪ | 11 | 7 | i | - | \vdash | \vdash | \vdash | | \vdash | \dashv | | | 61 | H | \dashv | \dashv | \dashv | \neg | | \dashv | \dashv | \dashv | | 111 | \dashv | - - | + | +- | t^- | Н | 一 | \neg |
| _ | 12 | 7 | Ì | - | Т | | | \vdash | Н | \Box | | | 62 | | 寸 | \dashv | \neg | \dashv | \dashv | 一 | \dashv | \neg | | 112 | | 十 | T | T | T | П | 一 | 一 |
| 7 | 13 | 1 | 1 | - | | \vdash | \vdash | \Box | \Box | \sqcap | | | 63 | | \dashv | \dashv | | | 1 | 1 | \dashv | \dashv | | 113 | \exists | \top | T | 1 | | П | コ | |
| | 14 | 1 | ٧ | - | T | | Π | П | \Box | \Box | | | 64 | | | | | | | | | | | 114 | | | I | 1_ | L | | | |
| T | 15 | 1 | 1 | - | | | | | | | | | 65 | | | | | | | | | | | 115 | | I | I | $oxed{\Box}$ | | | | |
| | 16 | 1 | 1 | - | | | | | | | | | 66 | | | | | | | | | | | 116 | | | I | | | | \Box | |
| | 17 | 1 | 1 | - | | | | | | | | | 67 | | | | | | | | | | | 117 | | \perp | \perp | | | | | |
| | 18 | 1 | 1 | Ŀ | | | | | | | | | 68 | | | \Box | | | | | [| | | 118 | | \perp | L | | 1 | Ш | |] |
| | 19 | 1 | 1 | Ŀ | | | | | | Ц | L | | 69 | Ш | _ | _ | | | _ | _ | _ | | | 119 | | ┸ | <u> </u> | 1_ | <u> </u> | Ш | _ | _ |
| _ | 20 | 1 | <u> -</u> | <u> -</u> | | | | | | Ш | _ | | 70 | Ш | | _ | _ | | _ | \perp | _ | _ | ļ | 120 | | | \bot | \bot | _ | Щ | _ | |
| _ | 21 | 1 | 1 | <u> -</u> | | L | | | Ш | Ш | L | | 71 | Ш | _ | _ | [| | _ | | | _ | | 121 | | _ _ | \perp | \perp | 1_ | Ш | _ | |
| 4 | 22 | 1 | 1 | - | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _ | \vdash | | | Ш | L | | 72 | Н | _ | _ | _ | \sqcup | | _ | | _ | <u> </u> | 122 | 4 | + | + | + | \vdash | \sqcup | | _{ |
| 4 | 23 | 7 | 1 | - | | _ | L | | \square | Ш | L | | 73 | $\vdash \downarrow$ | _ | 4 | 4 | | _ | _ | _ | _ | | 123 | \dashv | | + | + | ╀- | \sqcup | | |
| _ | 24 | 7 | 1 | - | \vdash | <u> </u> | \vdash | \vdash | Ш | Щ | - | | 74 | \vdash | \dashv | \dashv | - | | | | | | <u> </u> | 124 125 | \vdash | + | + | ╁ | ┼ | \vdash | | \dashv |
| _ | 25 | 1 | 1 | <u> </u> | \vdash | \vdash | \vdash | \vdash | $\vdash\vdash$ | \vdash | \vdash | | 75 76 | \vdash | \dashv | \dashv | \dashv | | \dashv | \dashv | \dashv | \dashv | - | 125 | | | + | +- | ╁ | \vdash | \dashv | \dashv |
| | 26 27 | V V | 1 | ⊢- | \vdash | ⊢ | - | - | \vdash | \dashv | \vdash | | 77 | \vdash | \dashv | \dashv | \dashv | | \dashv | \dashv | \dashv | \dashv | - | 126 | \vdash | + | + | + | ╁ | \vdash | - | ᅱ |
| _ | 28 | V V | 7 | - | - | - | \vdash | \vdash | Н | \dashv | \vdash | | 78 | \vdash | | + | \dashv | \vdash | \dashv | \dashv | \dashv | \dashv | | 128 | + | + | + | + | | \vdash | - | \dashv |
| - | 29 | 1 | 1 | - | \vdash | \vdash | +- | \vdash | \vdash | $\vdash \vdash$ | - | | 79 | H | - | \dashv | \dashv | \dashv | - | \dashv | \dashv | \dashv | \vdash | 129 | \dashv | + | + | + | + | $\vdash \vdash$ | \dashv | \dashv |
| | 30 | | <u> </u> | 1 | \vdash | \vdash | \vdash | | \vdash | \vdash | - | | 80 | \vdash | ᅱ | \dashv | \dashv | - | - | \dashv | + | \dashv | \vdash | 130 | \dashv | \dashv | + | + | ╁╌ | \vdash | ᅱ | \dashv |
| | 31 | - | \vdash | 1 | \vdash | - | | - | H | H | 一 | | 81 | \vdash | ᅱ | \dashv | \dashv | \vdash | | - | 7 | \dashv | | 131 | \vdash | \top | t | T | t | H | ᅥ | \neg |
| - | 32 | | | ₹ | <u> </u> | | 1 | | Н | \exists | | | 82 | 1 | 1 | \dashv | \dashv | \Box | | 一 | \dashv | \dashv | | 132 | \Box | \top | \top | Τ | \top | П | \dashv | |
| | 33 | \vdash | Т | 1 | T | Г | t^- | | П | \Box | | | 83 | \sqcap | \dashv | 寸 | \neg | \Box | \dashv | 寸 | 7 | \neg | <u> </u> | 133 | \Box | 十 | Ť | 丅 | | П | \neg | |
| | 34 | | Г | 1 | | | T | Π | | | | | 84 | П | T | | | П | | 寸 | \neg | \neg | | 134 | | | T | | | | | |
| | 35 | | | 1 | | | | | | | | | 85 | | | | | | | | ╛ | | | 135 | | 工 | Ι | | | | | |
| _ | 36 | | | 1 | | | L | | | | | | 86 | | | | | | | | | | | 136 | | | | | | | | |
| | 37 | | | 1 | | | | | | | | | 87 | | | | | | | | | | | 137 | | $oldsymbol{\perp}$ | \perp | | | | | |
| | 38 | | | ٧ | | | | | | | | | 88 | Ш | \Box | \Box | | | | | | | | 138 | | | Γ | | Ī | \Box | [| |
| | 39 | L | | | | | L. | | _ | Ш | L | | 89 | Ш | _ | _ | _ | Ш | \sqcup | | _ | _ | | 139 | | \perp | \perp | _ | ↓_ | Ш | _ | |
| _ | 40 | | _ | lacksquare | | L | L | | Щ | Ш | L | | 90 | Ш | _ | _ | _ | Ш | | _ | _ | | | 140 | \sqcup | _ | 4 | \perp | _ | \sqcup | _ | |
| _ | 41 | <u> </u> | | 1_ | L | _ | lacksquare | L_ | _ | Ц | L | | 91 | \sqcup | _ | _ | | Щ. | | _ | _ | 4 | <u> </u> | 141 | \sqcup | + | + | 4- | 1 | \vdash | | |
| | 42 | <u> </u> | ! | <u> </u> | ∟ | _ | ــــ | L | <u> </u> | Ш | L | | 92 | \sqcup | | | _ | Щ | | _ | | _ | | 142 | \sqcup | \bot | + | + | 1 | \vdash | | |
| | 43 | <u> </u> | <u> </u> | <u> </u> | \vdash | _ | ↓_ | <u> </u> | | Ы | L | | 93 | \sqcup | | _ | \blacksquare | | | _ | _ | _ | _ | 143 | $\vdash \vdash$ | + | + | + | + | \vdash | \dashv | |
| | 44 | - | - | L | | <u> </u> | | — | <u> </u> | Н | - | | 94 | $\vdash \vdash$ | _ | | | Н | \dashv | - | _ | \dashv | | 144 | $\vdash \vdash$ | + | + | - | ┿ | - | | _ |
| | 45 | \vdash | \vdash | ├- | ⊢ | | \vdash | ├- | \vdash | Н | - | | 95 | Н | _ | | ļ | \vdash | \dashv | | - | \dashv | | 145 | \vdash | + | + | +- | + | + | \vdash | |
| _ | 46 47 | | \vdash | - | | \vdash | \vdash | \vdash | - | Н | H | | 96 97 | \vdash | \dashv | | | \vdash | \vdash | | - | \dashv | | 146 147 | $\vdash \vdash$ | + | + | +- | + | \vdash | \vdash | |
| _ | 48 | \vdash | \vdash | - | \vdash | \vdash | \vdash | ⊢ | - | $\vdash \vdash$ | - | | 98 | \vdash | \dashv | | | - | | | | \dashv | | 148 | \vdash | + | ┿ | +- | + | \vdash | \dashv | |
| | 48 | ├ | \vdash | ⊢ | ⊢ | ⊢ | ┼ | ╁ | - | Н | ┝ | | 99 | \vdash | \dashv | | | - | \vdash | - | \dashv | \dashv | - | 149 | \vdash | + | + | + | + | \vdash | \vdash | - |
| - | 50 | \vdash | - | \vdash | \vdash | \vdash | \vdash | +- | | Н | ├ | | 100 | \vdash | \dashv | | | - | \vdash | \dashv | - | \dashv | - | 150 | | + | + | + | +- | \vdash | \dashv | - |
| | | <u> </u> | | _ | | Щ | | | | ш | L | | 100 | ᆫᆜ | | | | <u> </u> | لــــا | | | | L | 1.50 | | | _1_ | | ــــــــــــــــــــــــــــــــــــــ | ئــــــــــــــــــــــــــــــــــــــ | | لـــا |